

pAS2 Insert	Colony Color		
	pGAD GH Insert		
	PIN1	PIN2	PIN3
NIMA	Blue	Blue	Blue
K40M NIMA	Blue	Blue	Blue
NIMA280-699	Blue	Blue	White
NLK1	White	White	Blue
NIMA280-699FS	White	White	White

FIG. 1A

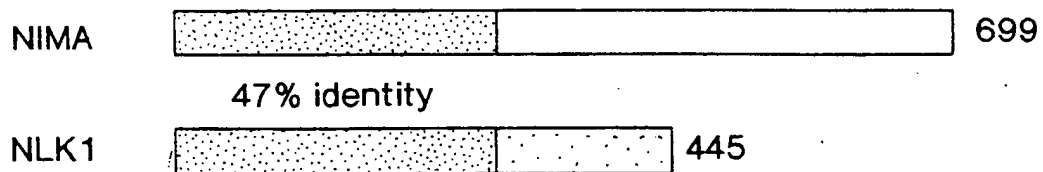


FIG. 1B

TGCTGGCCAGCACCTCGAGGGAAG

1 ATGGCGGACGAGGAGAAGCTGCCGCCCGGCTGGGAGAAGCGCATGAGCCGCAGCTCAGGC 20
M A D E E K L P P G W E K R M S R S S G
61 CGAGTGTA TACTTCAACCACATCACTAACGCCAGCCAGTGGGAGCGGCCAGCGGCAAC 40
R V Y Y F N H I T N A S Q W E R P S G N
121 AGCAGCAGTGGTGGCAAAAACGGGCAGGGGAGCCTGCCAGGGTCCGCTGCTCGCACCTG 60
S S S G G K N G Q G E P A R V R C S H L
181 CTGGTGAAGCACAGCCAGTCACGGCGGCCCTCGTCCTGGCGGCAGGAGAAGATCACCCGG 80
L V K H S Q S R R P S S W R Q E K I T R
241 ACCAAGGAGGAGGCCCTGGAGCTGATCAACGGCTACATCAGAGAAGATCAAGTCGGGAGAG 100
T K E E A L E L I N G Y I Q K I K S G E
301 GAGGACTTTGACTCTCTGGCCTCACAGTTCAGCGACTGCAGCTCAGCCAAGGCCAGGGGA 120
E D F E S L A S Q F S D C S S A K A R G
361 GACCTGGGTGCCTTCAGCAGAGGTCAGATGCAGAAGCCATTTGAAGACGCCTCGTTTGCG 140
D L G A F S R G Q M Q K P F E D A S F A
421 CTGCGGACGGGGGAGATGAGCGGGCCCGTGTTACGGATTCCGGCATCCACATCATCCTC 160
L R T G E M S G P V F T D S G I H I I L
481 CGCACTGAGTGAGGGTGGGGAGCCCAGGCCTGGCCTCGGGGCAGGGCAGGGCGGCTAGGC
R T E *
541 CGGCCAGCTCCCCCTTGCCCGCCAGCCAGTGGCCGAACCCCCCACTCCCTGCCACCGTCA
601 CACAGTATTTATTGTTCCCAACAATGGCTGGGAGGGGGCCCTTCCAGATTGGGGGCCCTGG
661 GGTCCCCACTCCCTGTCCATCCCCAGTTGGGGCTGCGACCGCCAGATTCTCCCTTAAGGA
721 ATTGACTTCAGCAGGGGTGGGAGGCTCCCAGACCCAGGGCAGTGTGGTGGGAGGGGTGTT
781 CCAAAGAGAAGGCCTGGTCAGCAGAGCCGCCCGGTGTCCCCCAGGTGCTGGAGGCAGAC
841 TCGAGGGCCGAATTGTTTCTAGTTAGGCCACGCTCCTCTGTTTCAGTCGAAAGGTGAACA
901 CTCATGCGGCAGCCATGGGCCCTCTGAGCAACTGTGCAGACCCTTTCACCCCCAATTAAA
961 CCCAGAACCCTAATAAAAAAAAAAAAAAAAAA

FIG. 2A

5	Pin1/Human	E K L P P G G W E K R R M S R S S G R V Y Y F N H I T N A S Q W E E R P S G N S S S
9	ESS1/SC	T G L P T P W T V R Y S K S K R R E Y F F N P E T K H S Q W E E P E G T N K D
171	Yap/Human	V P L P A G W E M A K T S S - G Q R Y Y F L N H I E S R R T T Q W K R P P K A M L S
?	Ncd34/Mouse	S P L P P G G W E E R R T D N F - G R T Y Y V N H H E S R R T T Q W K R P P D D D L
228	RSP5/SC	G R L P P G G W E E R A I S P N K V P - Y Y I N H H E T Q T T C W K D H P K M T E L Y
3052	Dnd/Human	T S V Q G G P W E R A I S P N K V P - Y Y I N H H E T Q T T C W K D H P K M T E L Y
12	FE65/Rat	S D L P A G W M R V Q D T S - G - T Y Y Y W H I P T G T T Q W E P P G R A S P S
	Consensus	. . L P . G W E G . . Y Y . N H . T . . T . W . . P
FIG. 2B		
59	Pin1/Human	H L L V K H S Q S R R P S S W R R Q E K I T R T K E E A L E L I N G Y I Q K I K
63	ESS1/SC	H I L I K H K D S R R P A S H R S E N I T I S K Q D A T D E L K T L I T R L D
8	Parvulin/EC	H I L V - - - - - - - - - - - - K E E K L A L - - D L L E Q I K
140	PrsA/BS	H I L V A D K K T - - - - - - - - - - - - A E E V E K - - - - - K L K
137	Cbf2/CJ	H I L V A T - - - - - - - - - - - - E K E A K D I I N E L K G L K
?	EST/AT	H I L V ? E I K
	Consensus	S G E - - E D F E S L A S Q F S D C S S A K A - R G D D L G A F S R - G Q M Q K
		D D S K T N S F F E A L A K E R S D C S S Y K R - G G D L G W F G R - G E M Q P
		N G - - - A D F G K L A K K H S I C P S G K R - G G D L G E F F - R Q G Q M V P
		K G E K - - - F E D L A K E Y S T D S S A S K - G G D L G W F F A K E G Q M D E
		G K E L D A K F S E L A K E K S I D P G S K N Q G G E L G W F F - D Q S T M V K
		V S K - - A N F E E V A T R V S D C S S A K R - G G D L G S F G R - G Q M Q K
	 F E . L A K . . S . C S S . K . . G G D L G . F . R . G Q M . .
		P F E D A S F A L R T G E M S G - P V F T D S G I H I I L R R T E 164 Pin1/Human
		S F E D A A F F Q L K V G E V S D - I V E S G S G V H V I K R V G 170 ESS1/SC
		A F D K V V F S C P V L E P T G - P L H T Q Q F G Y H I I K V L Y 93 Parvulin/EC
		T F S K A A F F K L K T G E V S D - P V K T Q Y G Y H I I K K T E 215 PrsA/BS
		P F T D A A F F A L K N G T I T T P V K T N F G Y H I I L K E N 219 Cbf2/CJ
		P F E E A T Y A L K V G D I S D - I V D T D S G V H I I K R T E 69 EST/AT
		F . D A A F . L K . G E . S . . P V . T . . G Y H I I K Consensus

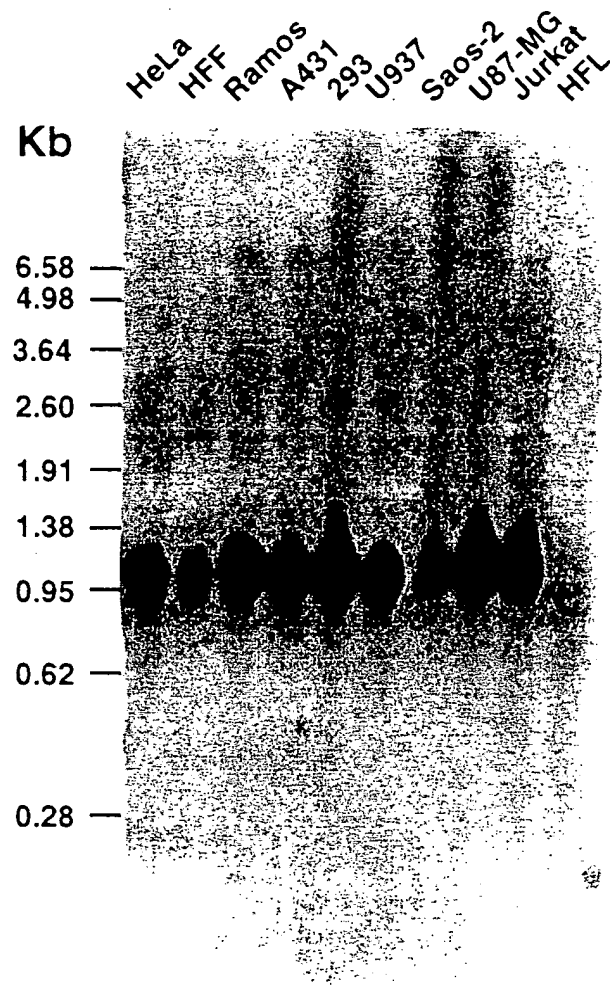
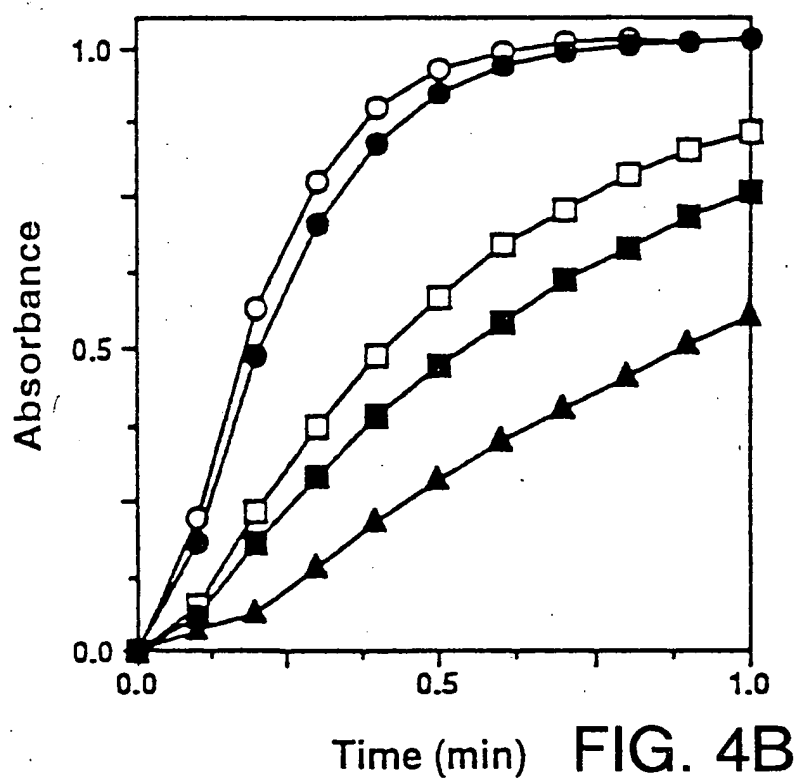
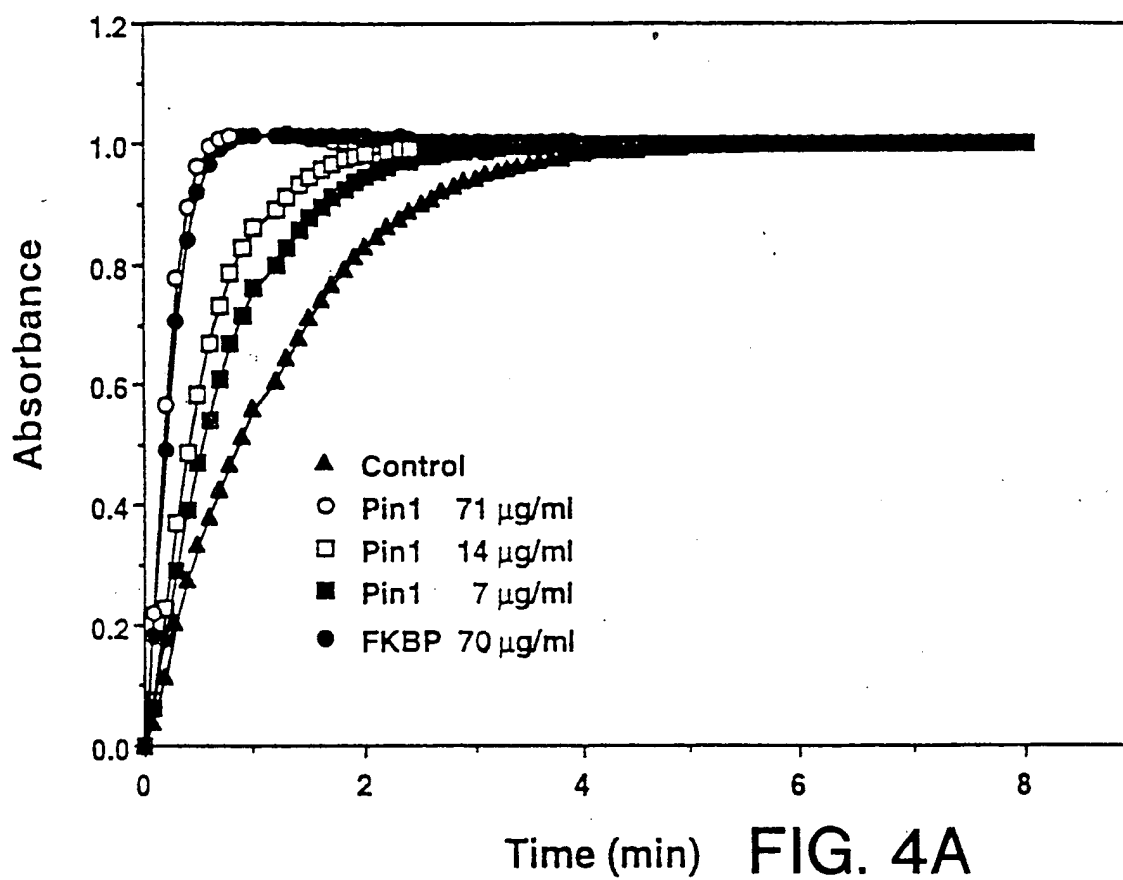


FIG. 3

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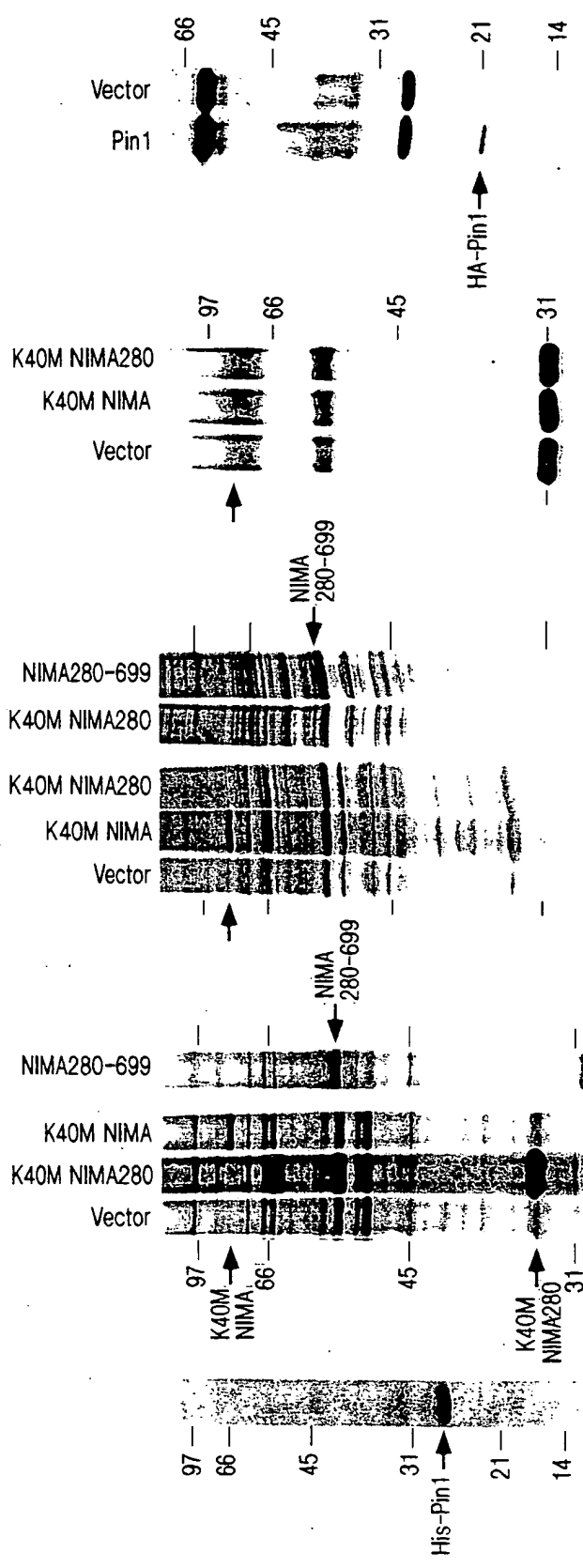


FIG. 5A FIG. 5B FIG. 5C FIG. 5D FIG. 5E

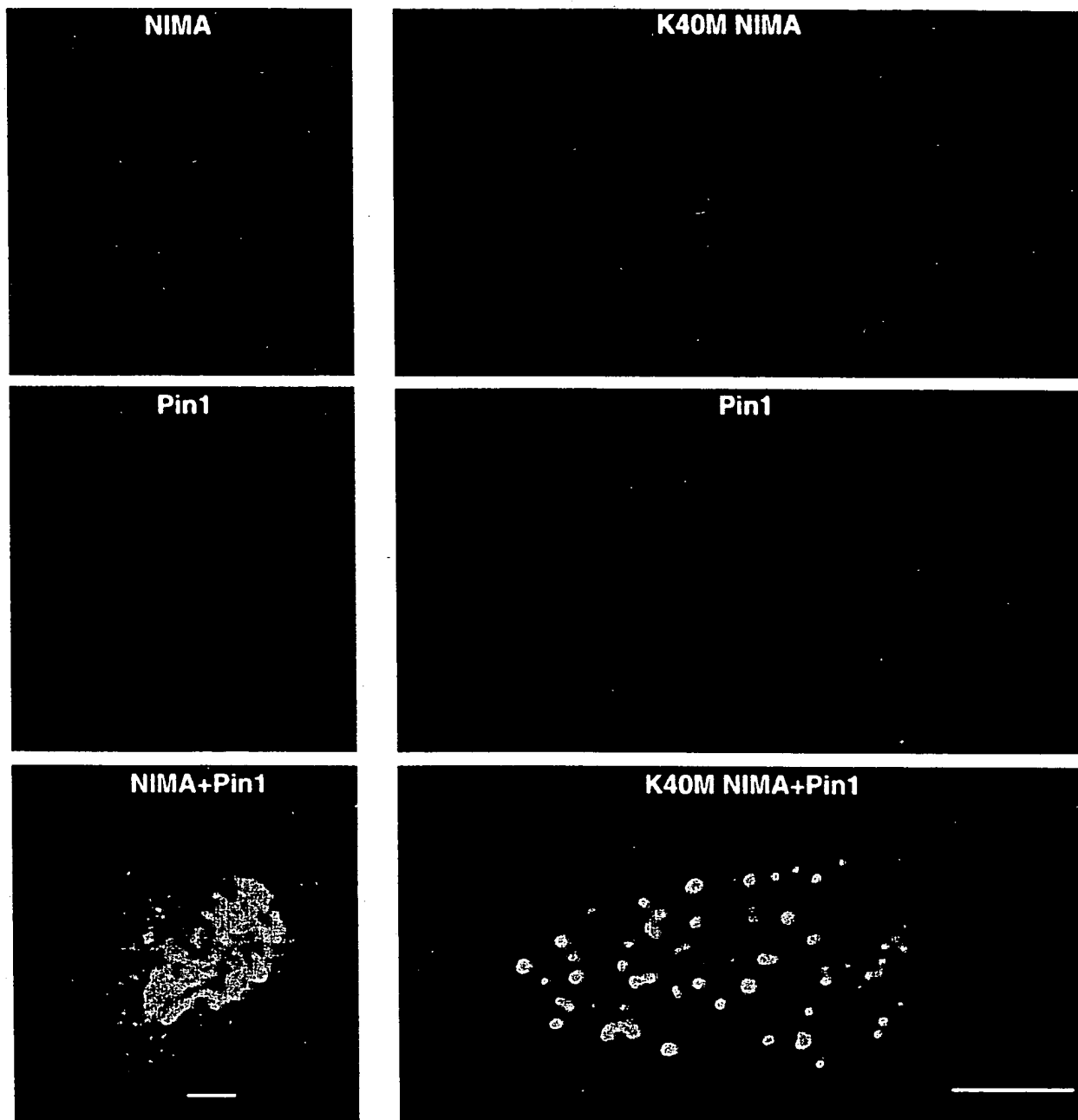


FIG. 6

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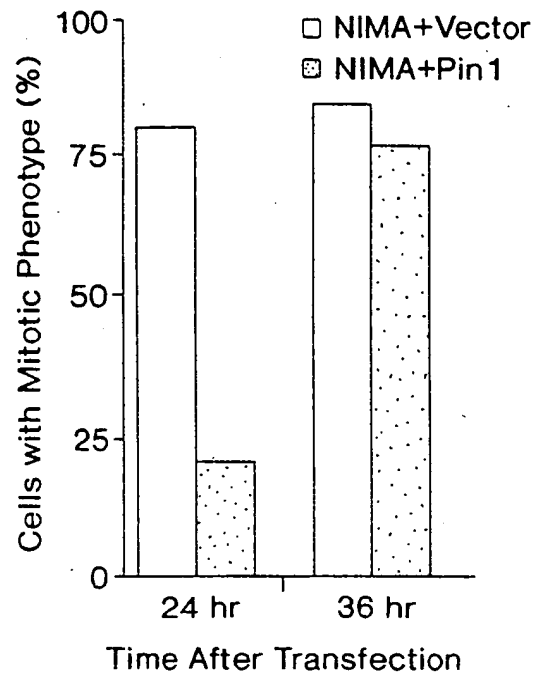


FIG. 7A

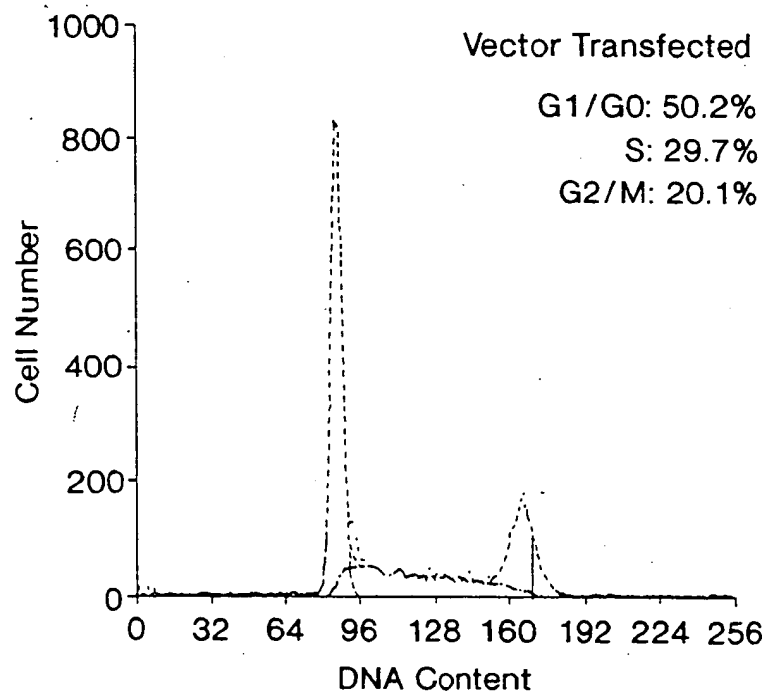


FIG. 7B

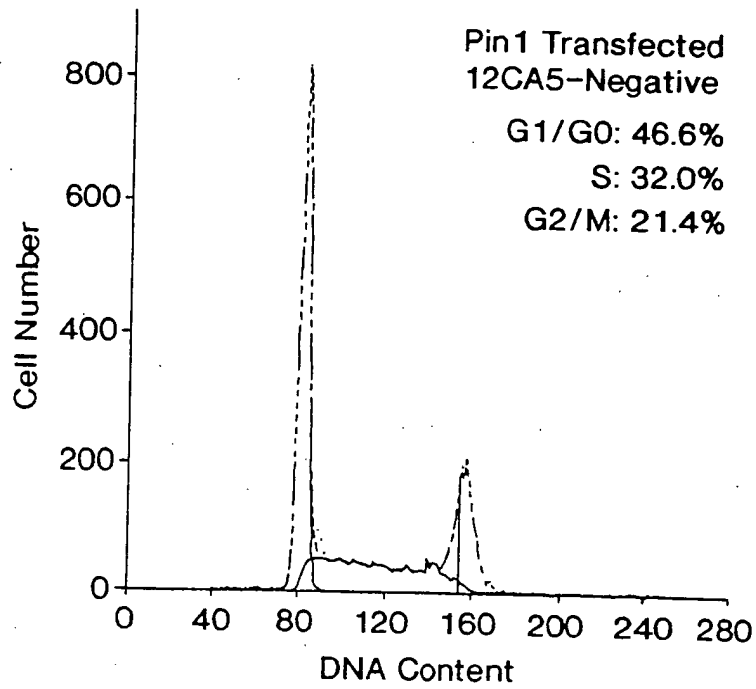


FIG. 7C

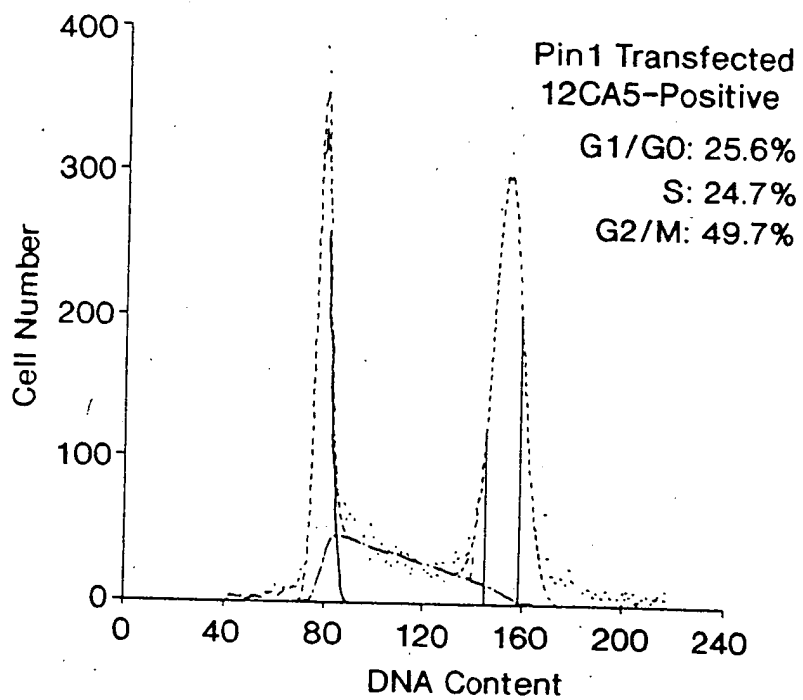


FIG. 7D

0 hr

DIC

DAPI

FACS

Fig. 8

DNA Content

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